CURRICULUM VITAE - Irving Zeidman, M.D.

Social History

Born: March 17, 1918, Camden, New Jersey
Married: 1953, Elinor Sleeper, Boston, Mass.
Children: Two
U.S. Army: 1942-46

Scientific History

College: U. of P., 1934-1937, A.B.
Medical School: U. of P., 1937-1941, M.D.
Internship: Cooper Hospital, Camden, New Jersey, 1941-1942
U.S. Army: Pathologist, 1942-1946
Staff: Department of Pathology, U. of P. Medical School, 1946-pres.
Leave of absence: with Dr. Shields Warren, Cancer Res. Institute, Boston, Mass. 1952-1953.
1955-1961 - Associate Professor of Pathology
1961- Professor of Pathology

Principle Interest: Cancer Research. Problems in metastasis, particularly the spread of cancer in the lymphatic system.

Board Qualifications: Member of the American Board of Pathology - 1947

Society Memberships:

American Association for Cancer Research
American Association of Pathologists & Bacteriologists
Fellow, American Association for Advancement of Science
Alpha Omega Alpha
Member, New York Academy of Sciences
American Socic[illegible]l Biology

Publications:

1. Chemical Factors in the Mutual Adhesiveness of Epithelial Cells. Cancer Research 7: 386-389, 1947.

2. Failure of Hyaluronidase to Increase the Invasiveness of Neoplasms. Co-authors - Dale R. Coman and Morton McCutcheon.

3. A Simple Method of Measuring the Surface Area of Small Objects of Irregular Shape. Science 108: 214-215, 1948.

4. Effect of Temperature on the Mutual Adhesiveness of Epithelial Cells. Science 109: 596, 1949.

5. Factors Affecting the Number of Tumor Metastases. Experiments with a Transplantable Mouse Tumor. Co-authors - Morton McCutcheon and Dale R. Coman. Cancer Research 10: 357-359, 1950.

6. The Significance of Low Calcium and High Potassium Content in Neoplastic Tissue. Co-authors - Robert P. DeLong and Dale R. Coman. Cancer 3: 718-721, 1950.

7. Transpulmonary Passage of Tumor Cell Emboli. Co-author - JoAnne M. Buss. Cancer Research 12: 721-733, 1952.

8. Experimental Studies on the Spread of Cancer in the Lymphatic System. I. Effectiveness of the Lymph Node as a Barrier to the Passage of Embolic Tumor Cells. Co-author - JoAnne M. Buss. Cancer Research 14: 403-405, 1954.

9. Experimental Studies on the Spread of Cancer in the Lymphatic System. II. Absence of a Lymphatic Supply in Carcinoma. Co-authors - Bradley Copeland and Shields Warren. Cancer 8: 123-127, 1955.

10. Experimental Studies on the Spread of Cancer in the Lymphatic System. III. Direct Passage of Tumor Cell Emboli from Thoracic Duct to Lymph Nodes. Cancer Research 15: 719-724, 1955.

11. Immediate Passage of Tumor Cell Emboli Through the Liver and Kidney. Co-authors - Walter J. Gamble and William L. Clovis. Cancer Research 16: 814-815, 1956.

12. Metastasis: A Review of Recent Advances. Cancer Research 17: 157-162, 1957.

13. Experimental Studies on the Spread of Cancer in the Lymphatic System. IV. Retrograde Spread. Cancer Research 19: 1114-1117, 1959.

14. The Fate of Circulating Tumor Cells. I. Passage of Cells through Capillaries. Cancer Research 21: 38-39, 1961.

15. The Fate of Circulating Tumor Cells. II. A Mechanism of Cortisone Action in Increasing Metastases. Cancer Research 22: 501-503, 1962.

16. Relation of Glucocorticoid Activity of Steroids to Number of Metastases. Daniel Albert and Irving Zeidman. Cancer Research 22: 1297-1300, 1962.

17. Fate of Circulating Tumor Cells. III. Comparison of Metastatic Growth Produced by Tumor Cell Emboli in Veins and Lymphatics. Cancer Research 25: 324-327, 1965.

18. Serum Protein Changes in Neoplasia. I. Studies on Mice with Transplantable and Induced Cancers. Co-authors - J.W. Dempsey and Peter B. Shelley. Archives of Pathology 85: 481-486, 1968.

19. Effect of Irradiation on Experimental Metastases via Lymph and Blood Streams. J. Medicine 1: 9-14, 1970.

20. Enhancement of Experimental Metastasis by X-Ray: A Possible Mechanism. I. J. Fidler and I. Zeidman, J. Med. 3: 172-77, 1972.

21. Effect of 5-Bromodeoxyuridine (BUdR) on Experimental Metastases. Res. Comm. in Chem. Path. and Pharm. 5: 827-835, 1973.

22. The Surface Glycoproteins of a Mouse Melanoma Growing in Culture and as a Solid Tumor In Vivo. L. Warren, I. Zeidman, and C. A. Buck, Cancer Res. 35: 2186-2190, 1975.

23. Current Concepts in Cancer. Critical Comments. Int. J. Radiation Oncology 1: 108-109, 1975.

24. Metastasis: An Overview. Biology of Cancer Metastasis, ed. I.J. Fidler. Marcel Dekker Inc., New York, chapter 1, 1981.

25. Comparison of the Metastatic Properties of B16 Melanoma Clones Isolated from Cultured Cell Lines, Subcutaneous Tumors and Individual Lung Metastases. Co-authors - G. Poste, J. Doll, A.E. Brown, J. Tzeng. Cancer Research 42: 2770-78, 1982.